64. DNA according to claim 28, wherein the DNA encodes a C- and/or N-terminally shortened fragment of the polypeptide of A or B.

65. DNA coding for a polypeptide having the ability to bind TNF, wherein said polypeptide is selected from the group consisting of:

A) a polypeptide comprising the amino acid sequence:

1/		_			- 1	_			••			•
asp	ser	val	cys	bto	glpi	gly	lys	tyr	ile	his	рго	gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr
tyr	leu	tyr	asıı	asp	cys	pro	gly	pro	gly	gln	asp	thr
asp	cys	arg	glu	cys	ģlu	ser	gly	ser	phe	thr	ala	ser
glu	asn	his	leu	arg	/his	cys	leu	ser	cys	ser	lys	cys
arg	lys	glu	met	gly	/gln	val	glu	ile	ser	ser	cys	thr
val	asp	arg	asp	thr	/ val	cys	gly	cys	arg	lys	asn	gln
tyr	arg	his	tyı:	trp	ser	glu	asn	leu	phe	gln	cys	phe
asn	cys	ser	leu	cys/	leu	asn	gly	thr	val	his	leu	ser
cys	gln	glu	lys	gln/	asn	thr	val	cys	thr	cys	his	ala
gly	phe	phe	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	lys	set	leu	glu	cys	thr	lys	leu	cys	leu
pro	gln	ile	glu	aşn								

, or a C- and/or N- terminally shortened sequence thereof;

B) a polypeptide comprising the amino acid sequence:

				1									
leu	val	pro	his /	lcu	gly	asp	arg	glu	lys	arg	asp	ser	val
cys	pro	gln	gly/	lys	tyr	ile	his	pro	gln	asn	asn	ser	ile
cys	cys	thr	lys/	cys	his	lys	gly	thr	tyr	leu	tуг	asn	asp
cys	pro	gly	pid	gly	gln	asp	thr	asp	cys	arg	glu	cys	glu
ser	gly	ser	plye	thr	ala	ser	glu	asn	his	leu	arg	his	cys
leu	ser	cys	scr	lys	cys	arg	lys	glu	mct	gly	gln	val	glu
ile	ser	ser	c∤s	thr	val	asp	arg	asp	thr	val	cys	gly	cys
arg	lys	asn	ឱ្យប	tyr	arg	his	tyr	trp	ser	glu	asn	leu	phe
gln	cys	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val	his
leu	ser	cys	g ln	glu	lys	gln	asn	thr	val	cys	thr	cys	his
ala	gly	phe	plie	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	lys	ser	leu	glu	cys	thr	lys	leu	cys	leu	pro
gln	ile	glu	asn										

, or a C- and/or N terminally shortened sequence thereof;

C) a polypept de comprising the amino acid sequence:



ile his gln val gln gly lys tyr pro asn ser cys pro ser ile cys cys thr/ lys суs his lys gly thr tyr leu thr gly gln asp asp cys arg asn asp cys pro pro gly sér glu asn his leu glu scr gly phe thr ala set сув lys glu arg his cys leu ser ¢ys ser lys сув arg met gly thr ile ser thr val asp arg asp val gln val glu ser cys gln his trp glu cys gly суѕ arg lys asn tyr arg tyr ser phe leu leu asn gly asn leu phe gln cys asn cys ser cys thr val his leu sct cys gln glu lys gln asn thr val суз glu glu val thr his ala gly phe phe leu asn cys cys arg ser cys ser asn lys lys ser leu glu cys thr lys leu CYS ile glu leu gln glu val lys gly thr asp ser cys pro asn thr thr gly

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, or a C- and/or N- terminally shortened sequence thereof; and

D) a polypeptide comprising the amino acid sequence:

leu	val	pro	his /	leu	gly	asp	arg	glu	lys	arg	asp	ser	val
cys	pro	gln	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser	ile
cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn	asp
cys	pro	gly	pro	gly	gln.	asp	thr	asp	cys	arg	glu	cys	glu
ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his	cys
leu	ser	суs	set	lys	cys	arg	lys	glu	met	gly	gln	val	glu
ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly	cys
arg	lys	asn	gIn	tyr	arg	his	tyr	trp	set	glu	asn	leu	phe
gln	cys	phe	<i>a</i> lsn	cys	ser	leu	cys	leu	asn	gly	thr	val	his
leu	ser	cys	gln	glu	lys	gln	asn	thr	val	cys	thr	cys	his
ala	gly	phe	/phe	leu	arg	glu	asn	glu	cys	val	ser	cys	ser
asn	cys	lys	/lys	ser	leu	glu	cys	thr	lys	leu	сув	leu	pro
gln	ile	glu	/ asn	val	lys	gly	tivr	glu	asp	ser	gly	thr	thr

, or a C- and/or N- terminally shortened sequence thereof.

- 66. A DNA according to claim 65, wherein said polypeptide includes at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and at the carboxyl-terminus.
- 67. A DNA according to claim 66, wherein said polypeptide includes at least one additional amino acid at the amino-terminus and at the carboxyl-terminus.

- 68. A DNA according to claim 66, wherein said polypeptide includes at least one additional amino acid at the amino-terminus.
- 69. A DNA according to claim 68, wherein said polypeptide includes a methionine at the aminoterminus.
- 70. A DNA according to claim 66, wherein said polypeptide includes at least one additional amino acid at the carboxyl-terminus.
 - 71. DNA coding for a polypeptide having the ability to bind TNF selected from the group consisting of:
 - A) a polypeptide comprising the amino acid sequence:

met	asp	ser	val	cys	pro /	gln	gly	lys	tyr	ile	his	pro	gln
asn	asn	ser	ile	cys	cys/	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	prø	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	şer	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	gļu	ilc	ser	ser	cys	thr	val	asp	arg	asp	thr
/val	cys	gly	cys	arg	/ lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln /	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	val	his	leu/	ser	cys	gln	glu	lys	gln	asn	thr	val
çys	thr	cys	his	ala/	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	SCI	cys	SCT	aşn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	рго	gʻln	ile	glu	asn						

, or a C- and/or N- terminally shortened sequence thereof;

B) a polypeptide comprising the amino acid sequence:

			- 1										
met	leu	val	ргφ	his	leu	gly	asp	arg	glu	lys	arg	asp	ser
val	cys	pro	glh	gly	lys	tyr	ile	his	pro	gln	asn	asn	ser
ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr	leu	tyr	asn
asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys	arg	glu	cys
glu	ser	gly	ser	phe	thr	ala	ser	glu	asn	his	leu	arg	his
cys	leu	ser	/cys	ser	lys	cys	arg	lys	glu	met	gly	gln	val
glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr	val	cys	gly
cys	arg	lys /	asn	gln	tyr	arg	his	tyr	trp	ser	glu	asn	leu
phe	gln	cys/	phe	asn	cys	ser	leu	cys	leu	asn	gly	thr	val
his	leu	ser/	CYS	gln	glu	lys	gln	asn	thr	val	cys	thr	cys
his	ala	gly	phe	phe	leu	arg	glu	asn	glu	CVS	val	ser	CYS

lys lys sef glu thr lys leu leu ser asn cys leu cys cys gln ile glu asn pro

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, or a C- and/or N- terminally shortened sequence thereof;

a polypeptide comprising the amino acid sequence:

ile his met asp ser val cys pro gln gly lys tyr pro gln gly ilc cys thr his lys. thr asn asn scr Cy5 lys CY5 tyr gln leu asp cy pro gly pro gly asp thr asp cys tyr asn arg glu cys glu set gly ser phe thr ala ser glu asn his leu his cys lqu SÉT ser lys cys arg lys glu met arg cys thr gly gln val glu ile ser ser cys thr val asp arg asp val arg gln his tyr trp ser cys gly суз lys asn tyr arg phe gln leu cys leu asn glu asn leu cys phe asn cys ser his /leu gln glu lys gln asn thr val gly thr val sçi cys ala glu cys thr cys his gly phe phe leu arg glu asn cys val ser asn cys lys lys ser leu glu cys thr lys ser cys leu gln ile glu val lys gly thr glu asp leu cys pro asn ser gly thr thr

. or a C- and/or N- tenrinally shortened sequence thereof:

D) a polypeptide comprising the amino acid sequence:

glu ser pψo his leu lys asp met leu val gly asp arg arg ile his gln val gin gly lys tyr pro asn asn ser cys pro leu ile cys cys thr lys cys his lys gly thr tyr tyr asn gly gln glu суз pro pro gly азр thr **45**p суз arg asp cys glu gly ber phe thr ala ser glu asn his leu arg his set gly gln val cys leu ser cys ser lys cys arg lys glu met ser thr gly glu ile ser cys thr val asp arg asp val cys gln tyr his tτp ser glu asn leu cys arg lys asn arg tyr leu leu asn gly thr val phc gln cys plie asn cys ser cys his leu gln glu gln thr val cys thr cys ser cys lys asn glu ser his ala gly phe phe leu arg glu asn **CYS** val **CYS** leu glu суб ser asn cys lys lys ser leu cys thr lys leu glu asp ser gly thr bto gln ile glu asn val lys gly thr thr

, or a C- and/or N- terminally shortened sequence thereof;

E) a polypeptide comprising the amino acid sequence:

met gly leu ser thr val pro asp leu leu pro leu val



ile ile ser gly val leu leu/ val gly tyr pro leu leu glu gly leu val bto his leu gly 28p arg glu lys arg asp ser asn ser gln gly ile his pro gln asn val pro lys tyr cys thr tyr leu tyr asn thr l√s СУБ his lys gly ile cys cys glu cys pro gly gln asp thr asp cys arg asp cys pro gly his phe glu asn his leu arg glu thr ala ser gly ser ser glu met gly gln val leu ser суз ser lys cys arg lys cys gly val asp thr val cys glu ile ser cys thr asp arg ser glu leu arg lys asn gln tyr arg his tyr trp ser asn cys thr val leu asn gly gln phe asn cys ser leu cys phe cys val cys thr cys his leu **ser** cys gln glu lys gln asn thr phé glu cys val ser cys ala phe leu arg glu asn his gly glu thr lys leu cys leu lys lys ser leu cys cys ser asn ilc pro gln gļu asn

, or a C- and/or N- terminally shortened sequence thereof;

F) a polypeptide comprising the amino acid sequence:

leu val thr val leu leu leu pro met gly leu ser pro asp ser val ile leu val ile tyr gly leu leu glu leu gly bto his leu gly asp glu lys arg asp ser gly leu val pro arg ser gln asn lys ile his pro asn val cys prq gln gly tyr thr tyr leu tyr asn ile thr cys his lys gly cys cys lys arg glu çys asp pro gly pro gly gln asp thr 8Sp cys cys glu thr ala glu asn his leu arg his ser gly phe ser ser arg lys glu met gly gln val cys ser ser lys cys leu cys glu ile \$er ser cys thr val asp arg asp thr val cys gly Įуs gln tyr arg his tyr trp ser glu άŚΠ leu cys arg asn thr val gln ser leu cys leu asn gly phe cys phe asn cys his leu ser cys gln glu lys gln asn thr val cys thr cys val ser cys his ala phe leu glu asn glu cys gly phe arg ser asn lys lys ser leu glu cys thr lys leu cys leu cys thr glu ser gly gln ile glu val lys gly thr asp рго asn thr

, or a C- and/or N- terminally shortened sequence thereof;

G) a polypeptide comprising the amino acid sequence:

leu val thr val leu leu leu pro gly leu pro asp met ser ile gly val leu val gly ile tyr pro ser leu leu glu leu his pro gln lys ile val pro gln gly tyr gly asp set сув thr tyr cys his lys gly thr lys ile cys cys asn asn ser

6

						•							
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	сув	glu	ser	gly	ser .	phe	thr	ala	ser	glu	asn	his
leu	arg	his	cys	leu	ser	¢ys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	/ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly	cys	arg	lys	/ asn	gln	tyr	arg	his	tyr	trp	ser
) glu	asn	leu	phe	gln	cys /	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	yal	his	leu	ser/	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	cys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	i/le	glu	asn			-			

, or a C- and/or N- terminally shortened sequence thereof;

H) a polypeptide comprising the amino acid sequence:

met leu gly	gly leu asp	leu glu ser	ser leu val	thr leu cys	val val pro	pro gly gln	asp ile gly	leu tyr lys	leu pro tyr	leu ser ile	pro gly his	leu val pro	val ile gln
asn	asn	ser	ile	cys	cys	thr	lys	cys	his	lys	gly	thr	tyr
leu	tyr	asn	asp	cys	pro	gly	pro	gly	gln	asp	thr	asp	cys
arg	glu	cys	gly	ser	gly	ser	phe	thr	ala	ser	glu	asn	his
leu	arg	his	c)'s	leu	ser	cys	ser	lys	cys	arg	lys	glu	met
gly	gln	val	glu	ile	ser	ser	cys	thr	val	asp	arg	asp	thr
val	cys	gly /	cys	arg	lys	asn	gln	tyr	arg	his	tyr	trp	ser
glu	asn	leu	phe	gln	cys	phe	asn	cys	ser	leu	cys	leu	asn
gly	thr	vali	his	leu	ser	cys	gln	glu	lys	gln	asn	thr	val
cys	thr	¢ys	his	ala	gly	phe	phe	leu	arg	glu	asn	glu	cys
val	ser	cys	ser	asn	cys	lys	lys	ser	leu	glu	cys	thr	lys
leu	cys	leu	pro	gln	ile	glu	asn	val	lys	gly	thr	glu	asp
ser	gly	thr	thur										

, or a C-/and/or N- terminally shortened sequence thereof; and

I) a polypeptide comprising the amino acid sequence:

val leu leu leu met leu thr val prø asp leu pro gly ser leu val gly ile tyr рго ser gly val ile ∦eu leu glu leu his leu /gly glu lys arg asp Set 'gly leu val pro asp arg ilc his gln asn asn ser val gln gly lys tyr pro cys pro thr leu tyr asn ile thr lys cys his lys gly tyr cys cys thr cys arg glu cys gly gln asp asp asp cys bto gly pro his thr ala glu asn his leu arg glu phe ser ser gly ser val ser 1ys lys glu met gly gln cys leu ser cys cys arg thr val asp thr val cys gly glu ile cys asp arg scr sct leu glu asn his tyr trp ser cys arg lys asn gln tyr arg leu leu asn gly thr val phe asm cys ser cys phe gln **CYS** gkh thr val çys thr cys gln his leu ser cys glu lys asn phe glu glu CY8 val ser cys phe leu arg asn his ala gly leu thr lув leu сув leu SCT asn cys lys lys ser glu суз gly thr glu ser gln val gly thr asp ile glu asn lys pro leu thr val leu leu pro leu val ile phe phe gly leu cys gln tyr arg leu lew phe ile gly leu met tyr arg leu ser val gly lys ser thr trp lys ser ly/s leu tyr ser ile cys lys thr thr bto glu gly leu glu gly thr pro glu lys glu phe thr thr pro gly ala asn pro ser phe ser pro leu pro val ser ser thr phe thr pro thr leu gly phe ser pro pro asn phe ala thr tyr thr pro gly asp cys pro ser ser ser ala pro arg/ arg glu val ala pro pro tyr gln gly ala asp ile lexi ala thr ala leu ala pro ile pro aen pro ser asp gln ser pro leu g/in lys trp glu asp ser ala his lys pro ala thr leu ala val val glu leu asp *f*hr asp pro tyr asp val lys glu phe val arg arg leu asn pro pro leu arg trp leu his glu ile asp arg leu glu leu gln asn gly ser asp met leu ala thr leu glu ala gln tyr ser gly arg cys arg glu ala thr leu glu leu trp arg arg arg thr pro arg arg g/y leu gly cys leu leu val leu met asp leu arg arg asp ala ala leu glu ile glu glu ala leu cys gly pro bto #sp Ala leu ser ļец arg pro pro

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, or a C- and/or N- terminally shortened sequence thereof.

- 72. A DNA according to claim 71, wherein said polypeptide includes at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and at the carboxyl-terminus.
- 73. A DNA according to claim 72, wherein said polypeptide includes at least one additional amino acid at the carboxyl-terminus.

H

74. DNA according to claim 2, wherein said DNA is selected from the group consisting of:

A) DNA comprising the sequence:

```
CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAC CTC TTC AGA CAC CTC CAG TGC CAG TGC TCC AGA CAC CTC TCC AGA CAC CTC TCC AGG AAG AAC CAC GTG TGC CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC GTG TGC ACC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACC AAG TTG TGC CTA CCC CAG ATT GAG AAT
```

, or a C- and/or N- terminally shortened sequence thereof;

B) DNA comprising the sequence:

CTG GTC CCT CAC CTA/GGG GAC AGG GAG AAG AGA GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TCT/TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA

, or a C- and/or N- terminally shortened sequence thereof;

C) DNA comprising the sequence:

GAT AGT
GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG
ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT
GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT

```
GAG AGC GGC TUC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TUT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT
```

, or a C- and/or N- terminally/shortened sequence thereof; and

D) DNA comprising the sequence:

```
GAT AGT
    TGT CCC CAA GGA/AAA TAT ATC CAC CCT CAA AAT AAT TCG
GTG
    TGC TGT ACC AAØ TGC CAC AAA GGA ACC TAC TTG TAC AAT
ATT
GAC TGT CCA GGC CLG GGG CAG GAT ACG GAC TGC AGG GAG TGT
GAG AGC GGC TCC TYC ACC GCT TCA GAA AAC CAC CTC AGA CAC
TGC CTC AGC TGC TAC AAA TGC CGA AAG GAA ATG GGT CAG GTG
GAG ATC TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC
TGC AGG AAG AAC/CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT
TTC CAG TGC TTC/ AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG
CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC
CAT GCA GGT TTC TIT CTA AGA GAA AAC GAG TGT GTC TCC TGT
AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA
CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC
ACA.
```

, or a C- and/or N- terminally shortened sequence thereof.

75. DNA coding for a polypeptide having the ability to bind to TNF, wherein said DNA coding said

polypeptide is selected from the group consisting of:

A) DNA comprising the sequence:

ATG CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAG TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAC CTT TTC CAG TGC TTC AAT TGC AGC CTC AAT GGG ACC GTG

CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA/AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

B) DNA comprising the sequence:

ATG CTG GTC CCT/CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT /TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG/AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGG TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TOT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG A'TT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC ACA

, or a C- and/or N- terminally shortened sequence thereof;

DNA comprising the sequence:

ATG GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC /CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG/ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTØ CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT

or a C- and/or N- terminally shortened sequence thereof;

D DNA comprising the sequence:

ATG GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG



ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAC CAG TAC CGG/CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AAG AAA AGC CTG GAG TGT GTC TCC TGT AAC AGA GAA AAC GAG TGT GTC TCC TGT ACC CTA ACC CTG GAG AAT GTT AAG AAA AGC CTG GAG GAC TCA GGC ACC ACC ACA

or a C- and/or N- terminally shortened sequence thereof;

E) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CCA CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAC CTC TGC CTC AGA CAC CTC TCC AGA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG TGC ACC GTG TGC AGC CTC TCC TGC CTC TGC CTA AAG AAA AGC CTG GAG TGT GTC TCC TGT AGG AAC ACC CTG GAG TGT GTC TCC TGT AGT AAC AAC TTG TGC CTA CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

F) DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CCA CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GCC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC ACA GTG GAC ACC GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC

TGC AGG AAG AAC CAG TAC CGG/CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGQ CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC OTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC ACA

, or a C- and/or N- terminally shortened sequence thereof;

G) DNA comprising the sequence:

ATG GGC CTC TCC ACC/GTG CCT GAC CTG CTG CTG CCA CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT GGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TØC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC/CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TIC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC ϕ AT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA/CCC CAG ATT GAG AAT

, or a C- and/or N- terminally shortened sequence thereof;

DNA comprising the sequence: H)

ATG GGC &TC TCC ACC GTG CCT GAC CTG CTG CCA CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT GGA GAT/AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TGC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG/ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC/ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC ACA

, or a C- and/or N- terminally shortened sequence thereof; and

DNA comprising the sequence:

ATG GGC CTC TCC ACC GTG CCT GAC CTG CTG CCA CTG GTG CTC CTG GAG CTG TTG GTG GGA ATA TAC CCC TCA GGG GTT ATT GGA CTG GTC CCT CAC CTA GGG GAC AGG GAG AAG AGA GAT AGT GTG TGT CCC CAA GGA AAA TAT ATC CAC CCT CAA AAT AAT TCG ATT TGC TGT ACC AAG TGC CAC AAA GGA ACC TAC TTG TAC AAT GAC TGT CCA GGC CCG GGG CAG GAT ACG GAC TGC AGG GAG TGT GAG AGC GGC TCC TTC/ACC GCT TCA GAA AAC CAC CTC AGA CAC TGC CTC AGC TGC TCC/ AAA TGC CGA AAG GAA ATG GGT CAG GTG GAG ATC TCT TCT TCC ACA GTG GAC CGG GAC ACC GTG TGT GGC TGC AGG AAG AAC CAG TAC CGG CAT TAT TGG AGT GAA AAC CTT TTC CAG TGC TTC AAT TGC AGC CTC TGC CTC AAT GGG ACC GTG CAC CTC TCC TGC CAG GAG AAA CAG AAC ACC GTG TGC ACC TGC CAT GCA GGT TTC TTT CTA AGA GAA AAC GAG TGT GTC TCC TGT AGT AAC TGT AAG AAA AGC CTG GAG TGC ACG AAG TTG TGC CTA CCC CAG ATT GAG/AAT GTT AAG GGC ACT GAG GAC TCA GGC ACC ACA GTG CTG TTG/CCC CTG GTC ATT TTC TTT GGT CTT TGC CTT TTA TCC CTC CTC TTC ATT GGT TTA ATG TAT CGC TAC CAA CGG TGG AAG TCC AAG CTC TAC TCC ATT GTT TGT GGG AAA TCG ACA CCT GAA AAA GAG GGG GAG CTT GAA GGA ACT ACT ACT AAG CCC CTG GCC CCA AAC CCA AGC TTC AGT CCC ACT CCA GGC TTC ACC CCC ACC CTG GGC TTC AGT CCC GTG CCC AGT TCC ACC TTC ACC TCC AGC TCC ACC TAT ACC CCC GGT GAC TGT CCC AAC TTT GCG GCT CCC CGC AGA GAG GTG GCA CCA CCC TAT CAG GGG GCT GAC CCC ATC CTT GCG ACA GCC CTC GCC TCC GAC CCC ATC CCC AAC CCC CTT CAG/AAG TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC CTA GAC ACT/ GAT GAC CCC GCG ACG CTG TAC GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAG GAA TTC GTG CGG CGC CTA GGG CTG AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG AAC GGG CGC TGC CTG CGC GAG GCG CAA TAC AGC ATG CTG GCG ACC TGG AGG CGG CGC ACG CCG CGC CGC GAG GCC ACG CTG GAG CTG CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC TGC CTG GAG GAC ATC GAG GAG GCG CTT TGC GGC CCC GCC GCC CTC CCG CCC GCG CCC AGT CTT CTC AGA

or a C- and/or N- terminally shortened sequence thereof.

- A recombinant host cell containing a DNA molecule comprising a DNA coding for a polypeptide 76. having the ability to bind TNF selected from the group consisting of:
 - a polypeptide comprising the amino acid sequence: A)

cys glu cys phe his his ser pro thr leu trp pro leu pro ser ala pro pro leu asn

val bto leu leu leu val met gly leu ser thr asp leu pro ile leu glu leu leu val gly ile ser gly val leu tyr pro gly leu val his leu gly asp arg glu lys arg asp ser pro val pro gln gly lys tу́т ilc his pro gln asn asn scr cys ile /his lys. gly thr tyr leu tyr asn cys cys thr lys cys thr cys arg glu cys asp cys pro gly pro gly gln asp asp glu leu his glu phe thr ala asn his arg ser gly **192** set lys met gly gln val leu ser cys ser lys cys arg glu ile thy thr gly set ser cys val asp asp val сув arg glu asn arg lys asn gln tyr arg his tyr trp ser leu gln val **d**ys gly thr cys phe asn ser leu cys leu asn glu val leu ser cys gln lys gln asn thr cys thr cys ala gly phe phe leu arg glu asn glu cys val ser cys asn cys lys SCT lcu glu cys thr lys lcu суз leu lys ile val gly thr glu ser gly thr gln glu asn lys asp val leu leu pro leu val ile phe phe gly leu leu cys phe leu leu ile gly ser leu met tyr arg tyr gln arg lys ser lys leu tyr ser ile val cys gly lys ser thr gly thr glu lys glu glu leu glu gly thr thr lys pro ala pro ser phe set thr gly phe thr pro asn pro pro phe thr leu gly ser pto val pro ser ser thr phe thr ser thr thr gly asn phe ala ser tyr pro asp **CYS** pro pro arg arg glu val ala pro pro tyr gln gly ala asp ala ile lcu thr ala leu ala ser взр pro ile pro aan leu gln lys, glų asp ser ala his lys gln ser trp pro asp tlır ala thr leu ala val glu asp asp pro tyr val val leu lys glu phe val pro pyo arg trp arg arg leu gly leu ser his glu ile leu glu leu gln asp asp arg asn gly ľcu glu ala gln met leu ala thr arg сув arg tyr ser arg thr leu glu trp arg arg arg thr pro arg glu ala leu leu val leu arg met asp leu ļец gly cys leu gly arg asp glu ala asp ile glu glu ala leu cys gly pro ala leu pro pro ala ser leu leu pro arg;

a polypeptide comprising the amino acid sequence: B)

yal ile his gln asp ser **cys** pro gln gly lys tyr pro asn /ile thr leu asn ser thr lys cys his lys gly tyr cys cys cys arg tyr asn asp cys DIO gly pro gly gln asp thr asp glu his leu glu cys glu ser gly ser phe thr ala ser asn gly lys glu met arg his cys leu ser cys ser lys cys arg val thr ilo cys thr val asp arg **48**p gln val glu ser Ber trp çys gly cys arg lys asn gln tyr arg his tyr leu phe leu asn ser cys ser glu asn leu phe gln cys cys

asn val cys lys	val	ser	cys	/ser	asn	cys	lys	gln phe lys	ser	lys arg leu	gln glu glu	asn asn cys	thr glu thr
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a fragment of A/or B.

A recombinant host cell according to claim 16, which is a mammalian cell.

A process for preparing a recombinant host cell containing polypeptide having TNF inhibitory activity comprising producing the polypeptide in a recombinant host cell according to claim 76, under suitable conditions to express the DNA molecule contained therein to produce the polypeptide.

A process according to claim 78, wherein said host cell is a prokaryotic cell.

A process according to claim b, wherein said host cell is E. Coli.

A process according to claim 78, wherein said host cell is a eukaryotic cell.

A process according to claim 81, wherein said host cell is a mammalian cell.

A process according to claim \$2, wherein said host cell is a Chinese Hamster Ovary cell.

A process according to claim \$2, wherein said host cell is a COS cell.

A process according to claim 78, wherein the DNA molecule comprises promoter DNA, other han the promoter DNA for the native polypeptide having TNF inhibitory activity, operatively linked to the nucleic acid encoding the TNF inhibitor.

A process according to claim 1/8, wherein the host cell is grown under suitable nutrient conditions

to amplify the nucleic acid sequence.